

What is Claimed is:

1. A foldable stroller, comprising:

a foldable supporting frame;

a handle frame comprising two pivot arms extending downwardly;

5 a pair of folding joints for pivotally connecting two lower ends of said pivot arms to two sides of said supporting frame respectively;

10 an engagement unit comprising a pair of first engaging members provided at two lower ends of said pivot arms of said handle frame respectively and a pair of second engaging members provided at said two folding joints and securely engaged with said two first engaging members respectively, so as to lock up said handle frame with said supporting frame; and

an one-hand operational control device, comprising:

15 a turn switch, which is arranged to drive said first engaging members to disengage with said second engaging members respectively, comprising a central shaft which has a pusher cavity being firmly and coaxially mounted between two upper ends of said pivot arms and a turning handle which has a guiding slot being rotatably and coaxially mounted on said central shaft and arranged to drive said first engaging members to disengage with said second engaging members respectively, wherein said turning handle further comprises a blocking wall inwardly extended towards said pusher cavity;

20 a locking unit comprising a locking latch disposed in said pusher cavity of said turn switch in a slidably movable manner and a finger trigger extended from said locking latch to outside through said guiding slot, wherein said locking latch is arranged to be driven by said finger trigger to move from a normally locking position to an locked position; and

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a resilient unit, which is disposed in said pusher cavity for applying an urging pressure against said locking latch so as to normally retain said locking latch at said locking position, wherein at said locking position, a locking portion of said locking latch is extended outwardly for blocking up said turn switch from being rotated by said blocking wall so as to lock up said foldable stroller from being folded up, and that at said unlocked position, said locking portion of said locking latch is moved away from said blocking wall of said turn switch so as to release said blocking up of said turn switch with respect to said pivot arms, therefore said turn switch is capable of being rotated to disengage said first engaging members with said second engaging members respectively.

2. A foldable stroller, as recited in claim 1, wherein said locking latch is slidably fitted in said pusher cavity in a perpendicularly movable manner with respect to said central shaft, wherein said resilient unit is provided between a bottom surface of said pusher cavity and said locking latch for urging and retaining said locking latch in an outer position that an outer end of said locking latch is extended to said blocking wall of said turning handle so as to block up said turning handle from being rotated with respect to said pivot arms, wherein said finger trigger is arranged to move said locking latch inward into said pusher cavity until said outer end of said locking latch is moved away from said blocking wall of said turning handle.

3. A foldable stroller, as recited in claim 1, wherein said engagement unit further comprises a pair of elongated elements each having an affixing end firmly connected to said central shaft of said turn switch and a control end firmly connected to said respective first engaging member in such a manner that when said turning handle is rotated forward with respect to said pivot arms, said first engaging members are disengaged with said second engaging members via said elongated elements respectively.

4. A foldable stroller, as recited in claim 2, wherein said engagement unit further comprises a pair of elongated elements each having an affixing end firmly connected to said central shaft of said turn switch and a control end firmly connected to said respective first engaging member in such a manner that when said turning handle is rotated forward with respect to said pivot arms, said first engaging members are disengaged with said second engaging members via said elongated elements respectively.

5. A foldable stroller, as recited in claim 1, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat



handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

6. A foldable stroller, as recited in claim 2, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat  
5 frame pivotally supported by said front and back frames in such a manner that when said handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

7. A foldable stroller, as recited in claim 3, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat  
10 frame pivotally supported by said front and back frames in such a manner that when said handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

8. A foldable stroller, as recited in claim 4, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat  
15 frame pivotally supported by said front and back frames in such a manner that when said handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

9. A foldable stroller, as recited in claim 1, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping  
20 thereon, so as to apply an inward force on said finger trigger.

10. A foldable stroller, as recited in claim 2, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping thereon, so as to apply an inward force on said finger trigger.

11. A foldable stroller, as recited in claim 3, wherein said finger trigger has a  
25 W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping thereon, so as to apply an inward force on said finger trigger.

12. A foldable stroller, as recited in claim 4, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping thereon, so as to apply an inward force on said finger trigger.

13. A foldable stroller, as recited in claim 5, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping thereon, so as to apply an inward force on said finger trigger.

14. A foldable stroller, as recited in claim 6, wherein said finger trigger has a  
5 W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping thereon, so as to apply an inward force on said finger trigger.

15. A foldable stroller, as recited in claim 7, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping thereon, so as to apply an inward force on said finger trigger.

10 16. A foldable stroller, as recited in claim 8, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for the user's fingers fittedly gripping thereon, so as to apply an inward force on said finger trigger.

15 17. A foldable stroller, as recited in claim 4, wherein said turn switch further comprises a driving member firmly connected to said central shaft wherein said driving member has at least a protrusion extended outwardly and engaged with said turning handle so as to ensure said turning handle to drive said central shaft said to rotate.

20 18. A foldable stroller, as recited in claim 8, wherein said turn switch further comprises a driving member rotatably mounted on said central shaft wherein said driving member has at least a protrusion extended outwardly and engaged with said turning handle so as to ensure said turning handle to rotate with respect to said central shaft.

19. A foldable stroller, as recited in claim 12, wherein said turn switch further comprises a driving member rotatably mounted on said central shaft wherein said driving member has at least a protrusion extended outwardly and engaged with said turning handle so as to ensure said turning handle to rotate with respect to said central shaft.

25 20. A foldable stroller, as recited in claim 16, wherein said turn switch further comprises a driving member rotatably mounted on said central shaft wherein said driving member has at least a protrusion extended outwardly and engaged with said turning handle so as to ensure said turning handle to rotate with respect to said central shaft.